

Appl. No. 10/817,411
Amdt. dated Dec. 15, 2006
Reply to Office action of Sep. 15, 2006

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Amendments to the Claims

This listing of claims will replace all prior versions of claims in the application.

Listing of Claims:

1. *(original)* A process for the synthesis of 1,4-dicyclopropyl-1,3-butadiyne in high yields comprising, adding to catalytic amounts of CuCl and tetramethylethylenediamine (TMEDA) in isopropanol, cyclopropyl acetylene (CPA) in isopropanol under aerobic conditions.
2. *(currently amended)* ~~A method of making 1,4 dicyclopropyl 1,3 butadiyne, employing the reaction~~ The method of claim 1 wherein said catalytic amounts are about 5 mole % each, of TMEDA and CuCl.
3. *(original)* The method of claim 1 wherein said butadiyne is formed by steps comprising:
 - a) charging a container with catalytic amounts each of TMEDA and finely crushed CuCl in a solution of isopropanol,
 - b.) adding a solution of CPA in isopropanol thereto,
 - c.) sparging oxygen into the mixture which then exhibits a green suspension therein,
 - d.) stirring the solution,
 - e) filtering the solution, to obtain a green filtrate and
 - f) washing and drying same to obtain high yield 1,4-dicyclopropyl-1,3-butadiyne.
4. *(original)* The method of claim 3 wherein said catalytic amounts are about 5 mole % each, of TMEDA and CuCl.